

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
DON01 P-1138

SERIAL NO.  
10/770,097

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANTS: Todd W. Pastrick et al.

(Use several sheets if necessary)

FILING DATE  
02/02/2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<i>FOR</i>	5 3 7 1 6 5 9	12/94	Pastrick et al.			
	5 2 0 7 4 9 2	05/93	Roberts			
	5 1 7 9 4 7 1	01/93	Caskey et al.			
	5 1 5 1 8 2 4	09/92	O'Farrell			
	5 1 1 3 1 8 2	05/92	Suman et al.			
	5 1 0 9 2 1 4	04/92	Heidman, Jr.	340	475	
	5 0 4 9 8 6 7	09/91	Stouffer			
<i>FOR</i>	5 0 1 7 9 0 3	05/91	Krippelz, Sr.			

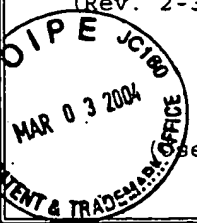
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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<i>FOR</i>	DE 3 8 0 3 5 1 0A	09/88	Germany			Abstract Only
<i>FOR</i>	6 1 1 8 8 2 4 2	08/96	Japan			x
<i>FOR</i>	6 2 2 1 8 2 4 8	09/87	Japan			Abstract only

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
<i>FOR</i>	European Search Report for European Application EP 96 65 0012 which is based on related U.S. Patent No. 5,497,306.
<i>FOR</i>	European Search Report for European Application EP 99 65 0053 which is based on related U.S. Patent Application Serial No. 09/335,010, filed June 17, 1999.
EXAMINER	DATE CONSIDERED
<i>FOR</i>	6/6/05

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<del>SPR</del>	5 0 1 4 1 6 7	05/91	Roberts			
	4 9 1 6 4 3 0	04/90	Vu et al.			
	4 8 9 0 9 0 7	01/90	Vu et al.			
	4 8 8 1 1 4 8	11/89	Lambropoulos et al.			
	4 8 6 6 4 1 7	09/89	Defino et al.			
	4 8 0 9 1 3 7	02/89	Yamada			
	4 6 8 8 0 3 6	08/87	Hirano et al.			
<del>SPR</del>	4 4 7 5 1 0 0	10/84	Duh	340	98	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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<del>SPR</del>	1 2 3 9 2 7 3	09/89	Japan			Abstract Only
<del>SPR</del>	3 6 3 5 4 7 1	5/88	Germany			X
<del>SPR</del>	3 6 3 5 4 7 3	4/88	Germany			X

## OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<i>JPR</i>	4 4 4 6 3 8 0	05/84	Moriya et al.			
	4 3 4 2 2 1 0	08/82	Denningham			
	4 2 7 4 0 7 8	06/81	Isobe et al.	340	98	
	4 2 5 8 3 5 2	03/81	Lipschutz			
	4 2 0 5 3 2 5	05/80	Haygood et al.			
	4 0 4 1 3 0 1	08/77	Pelchat			
	3 5 9 6 0 7 9	07/71	Clark			
<i>JPR</i>	2 5 6 2 6 8 7	07/51	Anderson			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
<i>JPR</i>	JA 3 0 5 0 0 4 4	4/91	Japan			Abstract only
<i>JPR</i>	DE 2 6 3 4 3 7 2	2/78	Germany			X
<i>JPR</i>	JA 5 8 1 8 8 7 33	11/83	Japan			Abstract only

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

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<i>JPR</i>	6/6/2005

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<i>DP</i>		2	2	7	3	5	7	0		02/42	Greenlees			
		1	5	6	3	2	5	8		11/25	Cunningham			
		1	2	7	8	7	4	1		09/18	Phelps	362	83.1	
		2	2	9	5	1	7	6		09/42	Kelly	362	83.1	
		2	5	1	1	9	7	1		06/50	Dalton	362	83.1	
		5	4	9	7	3	0	6		03/96	Pastrick			
		5	4	9	7	3	0	5		03/96	Pastrick et al.			
<i>DP</i>		5	3	0	3	1	3	0		04/94	Wei et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION	
														Y	N
<i>DP</i>	DE	3	6	1	4	8	8	2		11/87	Germany				X
<i>DP</i>		1	5	5	5	5	4	1		11/79	Great Britain				
<i>DP</i>		2	1	6	1	4	4	0A		01/86	Great Britain				

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		

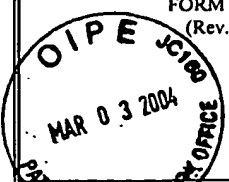
EXAMINER

*DP*

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<i>[Signature]</i>	5 6 6 0 4 5 7	08/26/1997	Lyons	362	83.1	
<i>[Signature]</i>	5 4 9 9 1 6 9	03/12/1996	Chen	362	83.1	
<i>[Signature]</i>	5 4 0 2 1 0 3	03/28/1995	Tashiro	340	475	
<i>[Signature]</i>	5 0 5 9 0 1 5	10/22/1991	Tran	359	844	
<i>[Signature]</i>	4 6 6 1 8 0 0	04/28/1987	Yamazaki	340	98	
<i>[Signature]</i>	5 1 3 2 8 8 2	07/92	Alder			
<i>[Signature]</i>	5 0 3 8 2 5 5	08/91	Nishihashi			
<i>[Signature]</i>	5 3 1 3 3 3 5	05/94	Gray et al.			
<i>[Signature]</i>	5 6 2 4 1 7 6	4/97	O'Farrell et al.	362	83.1	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
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<i>[Signature]</i>	2 1 2 9 7 4 9	05/23/1984	Great Britain			
<i>[Signature]</i>	2 2 6 6 8 7 0	11/17/1993	Great Britain			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<i>SPN</i>		5 6 6 9 6 9 9	09/1997	Pastrick	362	83.1	
		5 6 6 9 6 9 9	09/1997	Pastrick et al.	362	83.1	
		5 8 6 3 1 1 6	01/1999	Pastrick et al.	362	494	
		5 8 2 3 6 5 4	10/1998	Pastrick et al.	362	83.1	
		5 8 7 1 2 7 5	02/1999	O'Farrell et al.	362	494	
		5 6 6 9 7 0 5	09/1997	Pastrick	362	83.1	
		6 1 7 6 6 0 2	01/2001	Pastrick et al.	362	494	
		6 0 8 6 2 2 9	07/2000	Pastrick	362	494	
		6 1 4 9 2 8 7	11/2000	Pastrick et al.	362	494	
		5 8 7 9 0 7 4	03/1999	Pastrick	362	494	
		6 0 9 9 1 5 3	08/08/00	Zimmermann et al.	362	494	
		5 6 6 9 7 0 5	09/23/97	Pastrick et al.	362	83.1	


FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA-TION
							Y N
<i>SPN</i>	DE	1 9 5 38 7 71 A1	04/24/97	Germany			Abstract Only
<i>SPN</i>	DE	2 9 7 02 7 46 U1	05/15/97	Germany			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
<i>[Signature]</i>	1 0 9 6 4 5 2	5/1914	J.G. Perrin			
	1 3 5 3 2 5 3	09/1920	C.F. Livingston et al.			
	1 4 1 5 4 6 5	09/1922	O.E. Nigh			
	2 4 5 7 3 4 8	12/1948	P.A. Chambers.			
	5 2 0 6 5 6 2	04/1993	Matsuno et al.	315	77	
	2 2 3 5 1 8 1	03/1941	Thiel	362	494	
	4 5 8 3 1 5 5	04/1986	Hart	362	285	
	4 6 6 1 8 0 0	04/1987	Yamazaki	362	494	
	5 7 8 8 3 5 7	08/1998	Muth et al.	362	494	
	5 8 8 6 8 3 8	03/1999	Kuramoto	359	841	
<i>[Signature]</i>	6 0 7 6 9 4 8	06/2000	Bukosky et al.	362	494	
	5 5 8 7 6 9 9	12/24/96	Faloon et al.	340	475	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
<i>[Signature]</i>	GB 2 2 7 5 3 2 9A	08/1994	Great Britain			
	2 6 1 8 3 9 7	01/1989	French			X
	2 6 1 2 1 3 6	09/1988	French			X
<i>[Signature]</i>	GB 2 1 6 1 4 4 0A	01/1986	Great Britain			

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	1 4 5 8 7 0 3	06/1923	Harris et al.			
	2 0 1 0 1 3 8	08/1935	E.T. Condon	177	329	
	3 5 2 2 5 8 4	08/1970	Y.J. Talbot	340	98	
	4 8 0 8 9 6 8	02/1989	Caine	340	71	
	4 8 5 1 9 7 0	07/1989	Bronder	362	66	
	5 4 3 6 7 4 1	07/1995	Crandall	359	15	
	6 0 4 5 2 4 3	04/2000	Muth et al.	362	494	
	6 1 3 9 1 7 1	10/2000	Waldmann	362	494	
	6 2 0 6 5 3 3	03/2001	Boddy et al.	362	494	
	6 2 7 6 8 2 1	08/2001	Pastrick et al.	362	494	
	6 2 8 0 0 6 8	08/28/01	Merriens et al.	362	494	
	6 2 5 0 7 8 3	06/26/01	Sudham et al.	362	494	
	6 1 3 9 1 7 1	10/31/00	Waldmann	362	494	
	6 0 9 9 1 5 3	08/08/00	Zimmermann et al.	362	494	
	5 4 3 6 7 4 1	07/25/95	Crandall	359	15	
	4 6 2 6 0 8 4	12/1986	Kumai, Toshiyuki	359	841	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA-TION
	DE 4 1 4 1 2 0 8	06/1993	Germany			X
	9 4 0 9 5 6 63	09/1994	Germany			X
	2 1 5 4 9 6 9	09/1985	Great Britain			
	WO 8 9 0 1 4 2 5	02/1989	PCT			
	62 1 9 1 2 4 6A	08/1987	Japan			X
	8 1 4 2 7 4 5A	06/1996	Japan			Abstract only
	9 0 9 5 8 1 7	04/1997	Japan			Abstract only
	GB 2 3 1 6 3 7 9A	02/1998	Great Britain			
	9 1 0 1 0 2 9	05/1991	Germany			X
	EP 0 8 2 0 9 0 0	01/1998	EPC			X
	1 4 6 1 4 1 9	12/66	France			X
	JP 6 1 2 1 8 45 2A	09/1986	Japan			

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## U.S. PATENT DOCUMENTS



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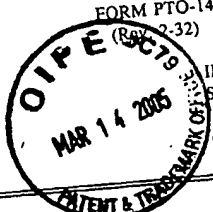
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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB-CLASS	
JAN		6	4	1	6	2	0	8	09/2002	Pastrick	362	494		
		6	3	6	7	9	5	7	04/2002	Hering et al.	362	511		
		6	3	1	5	4	3	7	11/2001	Katz et al.	362	494		
		6	3	1	5	4	3	3	10/09/2001	Pastrick	362	494		
		6	2	9	9	3	3	3	08/28/2001	Martens et al.	362	494		
		6	2	8	0	0	6	8	03/2001	Boddy	362	495		
		6	2	0	6	5	5	3	10/2000	Hulse et al.	362	581		
		6	1	3	9	1	7	6	08/08/2000	Pastrick	362	494		
		6	0	9	9	1	5	5	06/2000	Bukosky et al.	362	494		
		6	0	7	6	9	4	8	06/2000	Pastrick et al.	362	494		
		6	0	7	4	0	7	7	08/1999	Crandall	362	494		
		5	9	3	8	3	2	0	03/1999	Kuramoto	359	841		
		5	8	8	6	8	3	8	02/15/1994	Serizawa	340	815.76		
		5	2	8	7	1	0	1	06/1993	Suman	340	525		
		5	2	2	3	8	1	4	05/1991	Roberts	362	83.1		
		5	0	1	4	1	6	7	09/19/1989	Haraden	362	80		
		4	8	6	8	7	2	2	02/1989	Yamada	362	61		
		4	8	0	9	1	3	7	02/1989	Skogler et al.	362	142		
		4	8	0	7	0	9	6	09/1989	Haraden	362	80		
		4	7	7	2	9	8	9	03/22/1988	Skogler et al.	362	142		
		4	7	3	3	3	3	6	09/15/1987	Kimura et al.	350	364		
		4	6	9	3	5	7	1	12/1986	Kumai	359	841		
		4	6	2	6	0	8	4	08/04/1981	Oskam	350	289		
		4	2	8	1	8	9	9	01/14/1947	DeVirgilis	340	42		
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	DE 1 9 7 3 6 4 82	02/26/1998	Germany			
	EP 0 5 2 5 5 4 1	11/23/1994	EPO			
	EP 0 7 3 8 6 2 7	10/23/1996	EPC			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Japanese Patent Abstract for Japanese Patent Document No. JA 0239273, published 09/25/1989.

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